## This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

## BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:
Q BLACK BORDERS
I IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
☐ FADED TEXT OR DRAWING
D BLURRED OR ILLEGIBLE TEXT OR DRAWING
☐ SKEWED/SLANTED IMAGES
☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
GRAY SCALE DOCUMENTS
CI LINES OR MARKS ON ORIGINAL DOCUMENT
C REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

## IMAGES ARE BEST AVAILABLE COPY.

U OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

Time stamps   Time stamps   DB   Time stamps
118660 (duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing) or stored) or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or storing or stored) same (recorder or reproduced or reproduc
18860   (duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or storage) or storage or storing or storage) (duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or storage) same (disk or disc or tape or storage or reproduced or rep
Caplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored) or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or reproduced or reproduce
duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or storage)  20346 (duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or storage) same (disk or disc or tape or storage or storing or storage) asme (disk or disc or tape or storage or reproduced
(disk or disc or tape or storage or storing or stored) or stored)  (duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or reproduced or reproduced or reproduction or playback or playing or played)  4 3898 3898 3898 3898 3898 3898 3898 3898
or stored) (duplication or duplicated or duplicating or duplicate or copying or copyed) same (disk or disc or tape or storage or reproduce or reproduction or playback or playing or played)  ((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or storedd) same (recorder or reproduced or playback or playing or played)) same first  ((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorded or reproduced or reproduced or reproduced or reproduced or reproduced or reproduced or playback or playing or played)) same first same second (((((duplication or duplicated or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or storedd) same (recorder or reproduced or reproduction or playback or playing or played)) same (recorder or reproduced or reproduction or playback or playing or played)) same (recorder or reproduced or reproduced or delayon)  8 7 (((((((((duplication or duplicated or duplicating or duplicated or duplicated or duplicated or duplicating or duplicated or duplicated or duplicating or duplicated or duplicated or duplicated or reproduced or reproduced or reproduced or reproduced or delaying))  8 7 ((((((((duplication or duplicated or duplicate
20946
same (disk or disc or tape or storage or storing or storing or stored) same (recorder or reproducer or recording or recorded or reproducer or reproduction or playback or playing or played)  ((iduplication or duplicated or duplicating or storing or stored) same (fisk or disc or tape or storage or storing or stored) same (recorded or reproducer or recording or recorded or reproducer or reproducer or reproduced or or duplicate or copying or copy or copied) same (fisk or disc or tape or stored)  5 2083 (((iduplication or duplicated or duplicating or duplicate or copying or copy or copied) same (fisk or disc or tape or storage or storing or stored) same (recorder or reproducer or recording or recorded or reproducer or recording or recorded or reproducer or recording or recorded or reproduced or reproduction or playback or playing or duplicated or duplicated or duplication or duplicated or duplicated or reproduced or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same (recorder or reproduced or reproduction or playback or playing or played)) same (recorder or reproduced or reproduction or playback or playing or played)) same (recorder or reproduced or reproduction or playback or playing or played)) same (recorder or reproduced or reproduction or playback or playing or played)) same (recorder or reproduced or reproduction or playback or playing or played)) same (recorder or reproduced or reproduction or playback or playing or played)) same (recorder or reproduced or reproduction or playback or playing or played)) same (recorder or reproduced or compression or coding or coded or encoded) same (compression or coding or coded or encoded) or coder or encoder)  7
storing or stored) same (recorder or reproducer or recorded or reproduced or reproduction or playback or playing or played)  1 3898 (((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored) same (recorder or reproducer or reproducer or reproduced or reproducer or or reproducer or recording or recorded or reproduced or reproduced or reproduced or reproduced or reproduced or or duplicated or duplicating or duplicating or duplicate or copying or copy or copied) same (fisc or tape or storage or storing or stored)) same (recorder or reproduced or reprodu
reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)  (((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or reproduced or reproduction or playback or playing or played)) same first  ((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproduced or reproduction or playback or playing or played)) same first ((((duplication or duplicated or duplicate or copying or copy or copied) same (((((duplication or duplicated or duplicate) or reproduced or reproduction or playback or playing or stored)) same first) same second ((((((duplication or duplicated or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying) same (disk or disc or tape or storage or storing or stored)) same (frecorder or reproduced or reproduction or playback or playing or played)) same first) same second (same (delay or delayed or delaying)) same (delay or delayed or delaying)) same (processed or compressing or copy or copied) same (delay or delayed or delaying)) same (processed or compressing or copy or copied) same (delay or delayed or delaying)) same (processed or compressing or copy or copied) same (processed or compressing or copy or copied) same (processed or compression or coding or or coded or encoding or copy or copied) same (processed or compression or coding or or coded or encoding or stored) same (processed or compression or coding or or storing or stored) same (processed or compression or coding or copy or copied) same (disk or disc or tape or stored) same (processed or compression or coder or encoder)  7 2004/09/28 12:24  2004/09/28 12:25  2004/09/28 12:26  2004/09/28 12:27  2004/09/2
reproduced or reproduction or playback or playing or or played)  1898 (((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first same second ((((duplication or duplicated or duplicating or reproducer or recording or recorded or reproducer or reproduced or reproduction or playback or playing or played)) same first) same second (((((duplication or duplicated or duplication or duplication or playback or playing or played)) same first) same second (((((duplication or duplicated or duplication or duplicated or duplication or playback or playing or played)) same first) same second ((((((duplication or duplicated or duplicated or reproduced or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying) (((((((duplication or duplicated or duplicated or copying or copy or copied) same (disk or disc or tape or storage or storing or storage) same (delay or delayed or delaying)) same (processor or processing or recorded or reproducer or recording or delaying)) same (delay or delayed or delaying)) same (delay or delayed or delaying)) same (processor or processing or playback or playing or played)) same first) same second same (delay or delayed or delayed or delaying)) same (processor or processing or copy or copied) same (disk or disc or tape or compressed or compressing or copy or copied) same (disk or disc or tape or copy or copied) same (disk or disc or tape or copy or copied) same (disk or disc or tape or copy or copied) same (some played)) same first) same second or reproduced or reproduction or playback or playing or played)) same first) same second o
Sayang or played)   Sayang or played)   Sayang or duplication or duplicated or duplicating or duplication or duplicated or copy or copied)   Same (disk or disc or tape or reproduced or reproduced or reproduction or playback or playing or played)) same first   Same second or reproduced or reproduction or playback or playing or played) same first   Sayang or storage or storage or storage or reproduced or
Same   (((duplication or duplicated or duplicating or duplicate or copying or copy or copied)   Same (disk or disc or tape or storage or storing or stored)   Same (recorder or reproduced or reproduced or reproduction or playback or playing or played)   Same first
or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first  2883  ((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproduced or reproduction or playback or playing or played)) same first)  6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
storing or stored)) same (recorder or reproduced or storing or stored)) same (ask or disc or tape or storage or storage) same (disk or disc or tape or oping) or recorded or reproduced or recording or recorded or reproduced or delaying)  8
reproduced or recording or recorded or reproduced or reproduced or reproduction or playback or playing or played)) same first  ((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or reproducer or reproduced or reproduced or reproduced or reproduced or reproduced or reproduced or playing or played)) same first) same second  (((((duplication or duplicated or duplicated or duplicating or duplicating or copy) or copied) same (disk or disc or tape or storage or storage or storage or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)  7 ((((((duplication or duplicated or duplicated or duplicating or duplicated or duplicated or duplicated or reproduced or reproduced or reproduction or playback or playing or played)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or copy or copied) same (disk or disc or tape or storage or storing or stored)) same  (recorder or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying) same (processor or processing or compressed or compress or compressing or compressed or compress or compressing or compressed or compress or compressing or copy or copied) same (disk or disc or tape or storage or storing or stored)) same  (recorder or reproduced or reproduction or playback or playing or played)) same (processor or processing or copy or copied) same (disk or disc or tape or storage or storing or stored)) same  (recorder or reproduced or reproduction or playback or playing or played)) same first) same second) same (disk or disc or tape or storage o
reproduced or reproduction or playback or playing or played)) same first  ((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storing or stored)) same (recorder or reproduced or or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storage or storing or stored)) same (precorder or reproduced or r
playing or played)) same first  ((((duplication or duplicated or duplicating or duplication or duplicated or duplicating or duplicate or copying or copied) same (disk or disc or tape or storage or storing or stored) same (recorder or reproduced or reproduction or playback or playing or played)) same first) same second ((((duplication or duplicated or duplicating or duplicated or copying or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)  8
2083
or duplicate or copying or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second  (((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)  (((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (processor or processing or coder or coder or compress or compressin or coder or encoder)  ((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (first) same second) same (first) same second or encoder)  (((((((duplication or duplicated or coder or encoder) ((((((duplication or duplicated or coder or encoder) (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or duplicating or duplicate or copying or copy or copied) same (first) same second same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played) same first) same second) same (delay or delayed or
storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second (((((duplication or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)  8
reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second (((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or recorded or reproducer or recording or recorded or reproducer or recording or recorded or playback or playing or played)) same first) same second) same (delay or delayed or delaying)  8
reproduced or reproduction or playback or playing or played)) same first) same second (((((duplication or duplicated or duplicating or duplicated or storage or storing or storade)) same (recorder or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)  7 ((((((duplication or duplicated or duplicating or duplicated or copying or copying or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproduced or reproduction or playback or playing or played)) same (frecorder or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or processing or processed or process)) same (compressing or compressed or compress or compression or coding or coded or encoded or encoded or encoded or coder or encoder)  7 27 (((((duplication or duplicated or coder or encoder)) same (fisk or disc or tape or storage or storing or stored)) same (grecorder or reproduced or reproduc
playing or played)) same first) same second  ((((duplication or duplicated or duplicated or or copied) same (disk or disc or tape or storage or storing or stored)) same  (recorder or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)  ((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same  (recorder or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or compressed or compress or compression or coding or coded or encoded or coder or encoder)  (((((duplication or duplicated or or processed or process)) same (compressing or compressed or compress or compressing or coding or coded or encoded or coder or encoder)  (((((duplication or duplicated or or coding or copy or copied) same (disk or disc or tape or storage or storing or stored)) same  (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first)  same second) same (disk or disc or tape or storage or storing or stored)) same  (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first)  same second) same (delay or delayed or delaye
duplication or duplicated or duplication or duplicated or or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or duplicating or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or compressed or compress or compressing or coding or coded or encoding or encoded or coder or encoder)  (((((duplication or duplicated or delayed or delaying))) same (processor or processing or coding or coded or encoding or encoded or coder or encoder)  (((((duplication or duplicated or duplicated or duplicating or duplicated or duplicated or duplicating or duplicated or duplicated or duplicating or duplicated or dupli
duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or recorded or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)  7 (((((((((((((((((((((((((((((((((((
or copied) same (disk or disc or tape or storage or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)  (((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or compressed or compress or compression or coding or coded or encoded or coder or encoder)  (((((((duplication or duplicated or compression or coding or coded or encoded or compression or coding or coded or encoded or coder or esconding or encoded or coder or esconding or encoded or coder or reproduced or tape or storage or storing or stored)) same (recorder or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
(recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)  7 ((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or processed or compress or compression or coder or encoder)  7 27 ((((((duplication or duplicated or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
recorded or reproduction or playback or playing or played) same first) same second) same (delay or delayed or delaying)  7 (((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or processed or compress or compressing or compressed or compress or compression or coding or coded or encoding or encoded or coder or encoder)  7 27 ((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
playback or playing or played)) same first) same second) same (delay or delayed or delaying)  7 ((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or compressed or compress or compressing or coding or coded or encoding or encoded or coder or encoder) ((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproduced or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
same second) same (delay or delayed or delaying)  (((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or storage) same first) same second) same (delay or delayed or delaying)) same (processor or processing or processed or process)) same (compressing or compressed or compress or compression or coding or coded or encoded or coder or encoder)  ((((((duplication or duplicated or copy or copied)) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproduced or reproduction or playback or playing or played)) same first)  same second) same (delay or delayed or duplication or playback or playing or played)) same first) same second) same (delay or delayed or
delaying)  (((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same  (recorder or reproduced or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or compressed or compress or compression or coding or coded or encoding or encoded or coder or encoder)  ((((((duplication or duplicated or coder or encoder))) same (disk or disc or tape or storage or storing or stored)) same  (recorder or reproduced or recording or recorded or reproduced or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delayed or
7 (((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or processed or compress or compression or coding or coded or encoded or coder or encoder)  7 27 (((((duplication or duplicated or copying or copy or copied)) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or processed or process)) same (compressing or compressed or compress or compression or coding or coded or encoding or encoded or coder or encoder)  7 27 (((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or processed or process)) same (compressing or compressed or compress or compression or coding or coded or encoding or encoded or coder or encoder) ((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
(recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or processed or process)) same (compressing or compressed or compress or compression or coding or coded or encoding or encoded or coder or encoder)  7 27 ((((((duplication or duplicated or copying or copy or copied)) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or processed or process)) same (compressing or compressed or compress or compression or coding or coded or encoding or encoded or coder or encoder)  ((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
playback or playing or played)) same first) same second) same (delay or delayed or delaying)) same (processor or processing or processed or process)) same (compressing or compressed or compress or compression or coding or coded or encoding or encoded or coder or encoder)  (((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
same second) same (delay or delayed or delaying)) same (processor or processing or processed or process)) same (compressing or compressed or compress or compression or coding or coded or encoded or coder or encoder)  7 27 (((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
processed or process)) same (compressing or compressed or compress or compression or coding or coded or encoding or encoded or coder or encoder)  7 27 ((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
compressed or compress or compression or coding or coded or encoded or coder or encoder)  7 27 ((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
coding or coded or encoding or encoded or coder or encoder)  (((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
coder or encoder)  (((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
7 27 ((((((duplication or duplicated or duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
duplicating or duplicate or copying or copy or copied) same (disk or disc or tape or storage or storage or stored)) same (recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
storage or storing or stored)) same (recorder or reproducer or recording or recorded or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
(recorder or reproducer or recording or recorded or reproduced or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
recorded or reproduction or playback or playing or played)) same first) same second) same (delay or delayed or
playback or playing or played)) same first) same second) same (delay or delayed or
same second) same (delay or delayed or
processed or process)
9 21413 time near2 stamp USPAT; 2004/09/28 12:38
US-PGPUB;
EPO; JPO; DERWENT
10 146 (time near2 stamp) same commercial USPAT; 2004/09/28 12:38
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
US-PGPUB;
US-PGPUB; EPO; JPO; DERWENT

Page 1

11	37	((time near2 stamp) same commercial) same	USPAT;	2004/09/28 12:39
	1	(broadcast or broadcasted or broadcasting)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
12	7	(((time near2 stamp) same commercial) same	USPAT;	2004/09/28 12:40
		(broadcast or broadcasted or broadcasting))	US-PGPUB;	
		same (discriminating or discriminate or	EPO; JPO;	
		discriminated or detecting or detect or	DERWENT	
		detected)		

L	Number	Hits	Search Text	DB	Time stamp
1		20256	time near1 stamp	USPAT;	2004/09/28 17:19
				US-PGPUB;	
				EPO; JPO;	
2		118	(time nearl stame) same semmeraial	DERWENT USPAT:	2004/09/28 17:03
2		110	(time nearl stamp) same commercial	US-PGPUB;	2004/03/28 17.03
				EPO; JPO;	
			c .	DERWENT	
3		44	((time near1 stamp) same commercial) same	USPAT;	2004/09/28 17:17
			(processor or processing or process or	US-PGPUB;	
			processed)	EPO; JPO;	
				DERWENT	
5		2	((((time near1 stamp) same commercial) same	USPAT;	2004/09/28 17:05
			(processor or processing or process or	US-PGPUB;	
			processed)) same (broadcast or broadcasting	EPO; JPO;	
			or broadcasted)) same (recorder or recording	DERWENT	
			or recoded or reproducer or reproducing or		
6		6	reproduced or playing or played or play) ((((time near1 stamp) same commercial) same	USPAT;	2004/09/28 17:17
"		•	(processor or processing or process or	US-PGPUB;	2004/03/20 17:17
			processed)) same (broadcast or broadcasting	EPO; JPO;	
			or broadcasted)) same (recorder or recording	DERWENT	
			or recoded or reproducer or reproducing or		
			reproduced or playing or played or play or		
			storage or storing or stored)		
7		6	((((time nearl stamp) same commercial) same	USPAT;	2004/09/28 17:16
			(processor or processing or process or	US-PGPUB;	
			processed)) same (broadcast or broadcasting	EPO; JPO;	
			or broadcasted)) same (discriminating or	DERWENT	
			discriminate or discriminated or detecting		
			or detection or detected or detect)		
4		17	_ ` ` ` `	USPAT;	2004/09/28 17:18
			(processor or processing or process or	US-PGPUB;	
			processed)) same (broadcast or broadcasting or broadcasted)	EPO; JPO; DERWENT	
8		2661		USPAT;	2004/09/28 17:17
0		2001	discriminate or discriminated or detecting	US-PGPUB;	2004/09/28 17:17
			or detection or detected or detecting	EPO; JPO;	
				DERWENT	
9		401	(commercial near3 (discriminating or	USPAT;	2004/09/28 17:17
			discriminate or discriminated or detecting	US-PGPUB;	
			or detection or detected or detect)) same	EPO; JPO;	
			(processor or processing or process or	DERWENT	
			processed)		
10		118	((commercial near3 (discriminating or	USPAT;	2004/09/28 17:17
			discriminate or discriminated or detecting	US-PGPUB;	·
			or detection or detected or detect)) same	EPO; JPO;	
			(processor or processing or process or processed)) same (recorder or recording or	DERWENT	
1			recoded or reproducer or reproducing or		
			reproduced or playing or played or play or		
			storage or storing or stored)		
11		36	I	USPAT;	2004/09/28 17:52
			discriminate or discriminated or detecting	US-PGPUB;	,,
			or detection or detected or detect)) same	EPO; JPO;	
			(processor or processing or process or	DERWENT	,
			processed)) same (recorder or recording or		
			recoded or reproducer or reproducing or		
			reproduced or playing or played or play or		
		[	storage or storing or stored)) same		
			(broadcast or broadcasting or broadcasted)		
12		1	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2004/09/28 17:18
			discriminate or discriminated or detecting	US-PGPUB;	
1			or detection or detected or detect)) same	EPO; JPO;	
			(processor or processing or process or	DERWENT	
		-	processed)) same (recorder or recording or		
			recoded or reproducer or reproducing or		
			reproduced or playing or played or play or storage or storing or stored)) same		
			(broadcast or broadcasting or broadcasted))		
-			same (time near1 stamp)		
		L	Same (Sime near)	L	Ļ

13	21413	time near2 stamp	USPAT:	2004/09/28	17:19
13	21113	DIMO HOULZ Deamp	US-PGPUB;	2001,03,20	1,113
			EPO: JPO;		
			DERWENT		
14	1	((((commercial near3 (discriminating or	USPAT;	2004/09/28	17:19
		discriminate or discriminated or detecting	US-PGPUB;		_
1		or detection or detected or detect)) same	EPO; JPO;		
		(processor or processing or process or	DERWENT		
		processed)) same (recorder or recording or			
	1	recoded or reproducer or reproducing or			
		reproduced or playing or played or play or			
ļ		storage or storing or stored)) same			
		(broadcast or broadcasting or broadcasted))			
		same (time near2 stamp)			
15	1	((((commercial near3 (discriminating or	USPAT;	2004/09/28	17:19
		discriminate or discriminated or detecting	US-PGPUB;		
		or detection or detected or detect)) same	EPO; JPO;		
į		(processor or processing or process or	DERWENT		
		processed)) same (recorder or recording or			
		recoded or reproducer or reproducing or			
ŀ		reproduced or playing or played or play or			
		storage or storing or stored)) same			
		(broadcast or broadcasting or broadcasted))			
16	3	same stamp   (commercial near3 (discriminating or	USPAT;	2004/09/28	10.00
10	3	discriminate or discriminated or detecting	US-PGPUB;	2004/09/28	TO:00
	1	or detection or detected or detecting	EPO; JPO;		
		(time near1 stamp)	DERWENT		
17	3	(commercial near3 (discriminating or	USPAT:	2004/09/28	18.00
- '		discriminate or discriminated or detecting	US-PGPUB;	2001,00,20	10.00
		or detection or detected or detect)) same	EPO; JPO;		
		(time near2 stamp)	DERWENT		
L	I	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	I	l	

L Number		Search Text	DB	Time stamp
1	21413	time near2 stamp	USPAT; US-PGPUB;	2004/09/28 19:55
			EPO; JPO; DERWENT	
2	146	(time near2 stamp) same commercial	USPAT;	2004/09/28 19:55
			US-PGPUB; EPO; JPO; DERWENT	
4	3	(((time near2 stamp) same commercial) same	USPAT; US-PGPUB;	2004/09/28 19:56
		(recorder or recording or recorded or reproducer or reproducing or reproduce or reproduced or playing or played or playback)) same (compression or compressing	EPO; JPO; DERWENT	
3	29	or compressed or compress) ((time near2 stamp) same commercial) same	USPAT;	2004/09/28 20:16
		(recorder or recording or recorded or reproducer or reproducing or reproduce or	US-PGPUB; EPO; JPO;	2001, 03, 20 20120
_		reproduced or playing or played or playback)	DERWENT	
5	58	((time near2 stamp) same commercial) same (recorder or recording or recorded or	USPAT; US-PGPUB;	2004/09/28 20:10
		reproducer or reproducing or reproduce or reproduced or playing or played or playback	EPO; JPO; DERWENT	
6	27	or storage or storing or stored) (((time near2 stamp) same commercial) same	USPAT;	2004/09/28 20:16
		(recorder or recording or recorded or	US-PGPUB;	,,
		reproducer or reproducing or reproduce or reproduced or playing or played or playback	EPO; JPO; DERWENT	
		or storage or storing or stored)) same (control or controlling or controller or		
		controlled or processor or processing or		
7	673	processed or process) commercial same stamp	USPAT;	2004/09/28 20:16
		Sommercial Bame Beamp	US-PGPUB;	2001/05/20 20:10
			EPO; JPO; DERWENT	
8	70	(commercial same stamp) same (recorder or	USPAT;	2004/09/28 20:29
		recording or recorded or reproducer or reproducing or reproduce or reproduced or	US-PGPUB;	
		playing or played or playback or disc or disk or tape)	EPO; JPO; DERWENT	
9	29	((commercial same stamp) same (recorder or	USPAT;	2004/09/28 20:20
		recording or recorded or reproducer or reproducing or reproduce or reproduced or playing or played or playback or disc or	US-PGPUB; EPO; JPO; DERWENT	,
		disk or tape)) same (control or controlling		
		or controller or controlled or processor or processing or processed or process)		
10	197	(time near2 stamp) same (commercial or cm)	USPAT;	2004/09/28 20:19
			US-PGPUB; EPO; JPO;	
			DERWENT	
12	21	(((time near2 stamp)—same (commercial or cm)) same (recorder or recorded or recording	USPAT;	2004/09/28 20:20
		or disc or disk or tape or vcr or vtr or	US-PGPUB; EPO; JPO;	
		reproducer or reproduced or reproducing or	DERWENT	
		reproduce)) same (control or controlling or controller or controlled or processor or		
		processing or processed or process)		
11	45	((time near2 stamp) same (commercial or cm)) same (recorder or recorded or recording or	USPAT; US-PGPUB;	2004/09/28 20:27
		disc or disk or tape or vcr or vtr or	EPO; JPO;	
		reproducer or reproduced or reproducing or reproduce)	DERWENT	
13	23050	commercial same (detection or detecting or	USPAT;	2004/09/28 20:28
		detected or discriminating or discriminated	US-PGPUB;	
		or discriminate or detect)	EPO; JPO; DERWENT	

15	5	((commercial same (detection or detecting or	USPAT;	2004/09/28 20:29
	•	detected or discriminating or discriminated	US-PGPUB;	
		or discriminate or detect)) same (time near2	EPO; JPO;	
	ł	stamp)) same (recorder or recording or	DERWENT	
		recorded or reproducer or reproducing or		
		reproduce or reproduced or playing or played		
		or playback or disc or disk or tape)		
14	26	(commercial same (detection or detecting or	USPAT;	2004/09/28 20:29
		detected or discriminating or discriminated	US-PGPUB;	
		or discriminate or detect)) same (time near2	EPO; JPO;	
		stamp)	DERWENT	